

HIGH PRECISION STEREO COMPARATOR INFO  
FROM [ ] 20 MARCH 1969

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1. [ ] is running on schedule up to this point. One of the [ ] programmers resigned last Friday without notice. Bringing in a new man may slow things up a week or two. [ ] stated that the major portion of the programming ~~done~~ by the 1st of May. It will still have to be debugged after this.

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2. About the middle of May, [ ] would like to come into [ ] for a full day to go over the computer programs with [ ] and anyone else that might be involved with the 516 computer in the future.

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3. Sometime in June [ ] expects to run servo simulation tests on the comparator. The computer will be incorporated into the comparator systems. Potentiometers will be attached to the pertinent motors and readings taken to see if the computer is giving the right signals for zoom, rotation, anamorph, stage tracking, etc.

Debugging of programs will take place at this time.

4. Sometime in July or August - All of the instrument will be assembled except the optical system. The coordinates and parameters for pan, strip, frame, and any other format used by PHD will be entered in the computer. The track balls and joystick will be used as in a regular problem. The X and Y readings of both stages will be checked against PHD info and the Potentiometers read for the optical settings.

5. From the 1st of May until about the 1st of January there will be a need for test photo coordinates and parameters to use in the tests and debugging processes mentioned above. I think that [ ] discussed.

this with PHD personnel during his training period in PHD.

Basically what he wants is to have PHD set up some stereo operational material on the Pt. Transfer or some other stereo instrument, and punch out X and Y photo coordinates for objects in various portions of the formats.

This info would be used to check out the subsystems of the Comparator.

STAT 6. [ ] of the Exploratory Lab have made up some grids that will be used in testing Anamorph and Magnification settings. If PHD can do it without interfering with production, we could use the spacing on the lines on these targets measured to 1 micrometer.

STAT 7. For planning purposes it looks like several programmers should visit [ ] in June and operators/programmers in July or August.

STAT 8. During [ ] proposed visit to [ ] in May they will probably also spend a day with T&E Branch discussing targets and tests. Might not hurt if someone from PHD also sits in. STAT